

Material Safety Data Sheet

according to NOHSC:2011(2003)



Product name : Ivoclar Vivadent Multicore
Statement of Hazardous Nature : This product is classified as: Non Hazardous according to criteria of National Occupational Health and Safety Commission.
Revision : 10.11.2009 **Version :** 1.0.0
Print date : 10.11.2009

01. Identification of substance, preparation and company

Product name : Ivoclar Vivadent Multicore
Use of the substance / preparation : Core build-up material
Manufacturer/Supplier : Ivoclar Vivadent AG
Street/P.O.Box : Bänderstrasse 2, FL -9494 Schaan
Country code/Postal code/Town/City : Fürstentum Liechtenstein
Telephone : +(716) 691-0010
Telefax : +423 / 235 35 35 or 373 40 40
Distributor : Ivoclar Vivadent P/L (Australia), 1-5 Overseas Drive, Noble Park North, Victoria 3174
Phone No.: +61-3 9795 9599, Tele fax No.: +61-3 9795 9645
Emergency information : Poisons Information Centre: Dial 13 11 26
24 hours a day, 7 days a week Australia wide

02. Hazards identification

Statement of Hazardous Nature

This product is not classified as: Hazardous according to criteria of National Occupational Health and Safety Commission.
Non-Dangerous Goods according to ADG.

Hazard designation

Classification : Not classified
ADG Classification: not classified
UN Number: not classified

Particular information pertaining specific risk for human and environment

None, if handled according to order.

03. Composition/information on ingredients

Chemical characterization Chemical characterization Base and Catalyst Pastes of dimethacrylates, inorganic fillers, ytterbiumtrifluoride, initiators, stabilizers and pigments

Hazardous components

CAS No. 1565-94-2 6-15 % Bis-GMA Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin. CAS No. 109-16-0 3-7 % Triethylene glycoldimethacrylate Xi: Irritant. R36/37/38: Irritating to eyes, respiratory system and skin. CAS No. 72869-86-4 3-7 % Urethanedimethacrylate Xi: Irritant. R36: Irritating to eyes. R38: Irritating to skin. CAS No. 94-36-0 0-1 % Benzoylperoxide Xi: Irritant. R36: Irritating to eyes. R43: May cause sensitisation by skin contact.

Other ingredients determined not be hazardous

Uncured material: Direct contact can cause eye and skin irritation. The material is contraindicated if a person is known to be allergic to any of the ingredients of the product.

04. First-aid measures

General

After inhalation

Let in fresh air. Call a doctor, should the air passages be affected.

After skin contact

Flush with plenty of water.

After eye contact

Flush with plenty of water (10 - 15 min.). Contact a doctor immediately.

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After ingestion

swallowing small amounts incidentally to normal handling. If you feel unwell, seek medical advice (show this safety data sheet). Remove to fresh air.

05. Fire-fighting measures

Suitable extinguishing media

Not combustible under normal conditions. Adapt extinguishing measures to suit the environment. Water fog, carbon dioxide, foam, dry chemicals.

Unsuitable extinguishing media

Waterjet. Do not use direct water stream.

Special risk posed by the substance or by the actual preparation, its combustion products or gases discharged

Special protective equipment

none

06. Accidental release measures

Personal precautions

Wear suitable protective clothing, gloves and eye/face protection.

Environmental precautions

Prevent from flowing into surface water/ground water.

Methods for cleaning up/collecting

Take up with a mechanical source and proceed according to the waste disposal regulations.

Additional information

Remove according to regulations.

07. Handling and storage

Information for safe handling

Only adequately trained personnel should handle this product. Keep out of reach of children.

Information about protection against explosions and fires

No anti-explosion measures necessary.

Requirements to be met by storerooms and containers

Keep only in the original container. Store at 12-28 °C . Store in a dry place

Information about separation of incompatible products

Store the foodstuffs separately. Sensitive to cold below < 2 °C

08. Exposure controls and personal protection

Control of threshold limits MAK (Maximale Arbeitsplatzkonzentration, Germany, 1996) is 1000 ppm.

Additional information about engineering measures

No particular measures required. Technical measures Provide adequate local ventilation.

Components with critical values that require monitoring at the workplace (exposure limits)

Dust and Vapours; Vapour pressure 59 mbar (20°C) 0°C)

Specification : TWA (AUS)

Value : MAK 0.0 mg/m³ MAK values : 1000 ppm

Personal protective equipment

Do not eat or drink during work - no smoking. Keep away from food, drink and animal feeding stuff.. Avoid contact with skin and eyes. Respiratory protection In dusty atmospheres, use an approved dust respirator P2. If metal fumes are present, use an approved high-efficiency particulate respirator (P3).

Respiratory protection

Provide for good ventilation. Respiratory protection Respiratory Protection. Avoid inhalation of dust while grinding. In dusty atmospheres, use an approved dust respirator

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Hand protection

Short-term exposure (< 30 min): disposable gloves, e.g. nitrile rubber, material thickness 0.1 mm (Australian Standard 2161).
Long-term exposure (Level 6: < 480 min): protective gloves, e.g. nitrile rubber, material thickness 0.7 mm (Australian Standard 2161). Commercial medical gloves do not provide protection against the sensitizing effect of methacrylates.

Eye protection

Use tightly fitting safety glasses (Australian Standard AS 1336 and AS/NZS 1337).

Body protection

No particular measures required.

09. Physical and chemical properties

Image

Form : Paste
Colour : Colour various
Odour : practically odourless

Relevant safety data

Melting point / range :	(1013 hPa)		not applicable	°C	
Casting point / range :	(1013 hPa)	ca.	not applicable	°C	
Flash point :			>150	°C	DIN 51755
Ignition temperature :			not applicable	°C	
Lower explosion limit :			not applicable	% b.v.	
Upper explosion limit :			not applicable	% b.v.	
Density :	(20 °C)		not determined	g/cm ³	
Solubility in water :	(20 °C)		<1	% b.w.	
pH value :			not determined		

10. Stability and reactivity

Conditions to avoid

None, if handled according to order.

Materials to avoid

None known.

Hazardous decomposition products

Uncured material: Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact.

11. Toxicological information

Toxicological tests

Oral LD50 for rats: > 5'000 mg/kg

Primary irritant effect

Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

Sensitization

. Uncured material: prolonged or frequently repeated skin contact may cause allergic skin reactions.

Experience on practice

No hazards anticipated from swallowing small amounts incidentally to normal handling.

12. Ecological information

No ecological problems to be anticipated if properly handled and used. nearly insoluble

Details on elimination (persistence / degradability)

Abiotoxic elimination

No data available.

Biological degradation / elimination

No data available.

Fate in environmental compartments

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There are no data available on the preparation itself.

Ecotoxicological effects

Performance in sewage-treatment plants

No ecological problems to be anticipated if properly handled and used.

13. Disposal considerations

Product EU waste key 20 01 39

Concentrate: The cleaned-up material must be disposed of in accordance with Federal, State or Local regulations. Take to a waste incineration plant, under conditions approved by the local authority.

Contaminated packaging

Contaminated packaging must be emptied of all residues and, following appropriate cleaning, may be sent to a recycling plant. Un cleaned packaging must be disposed of in the same manner as the medium.

14. Transport information Product is not classified for any mode of transportation

Land transport ADG

Classification

Class : - ADR RID

Maritime transport IMDG

Classification

IMDG-Code : - UN
Number
Packing
Group
Proper shipping
name
1170
EMS F-E, S-D UN

Air transport ICAO-TI and IATA-DGR

Classification

Class :	ICAO / IATA-DGR Proper shipping name UN Number	Packing Instructions Packing Group Subsidiary Risk Labels
	max. Packing Instructions	

15. Regulatory information

Classification This product does not require classification according to the criteria of the EC. The product is a medical device according to the EC-directive 93/42

Danger symbol and danger designation



Xi: Irritant.

Hazard-determining components of labelling

None : MAK values 0 ml/m³

R-phrases R36/37/38: Irritating to eyes, respiratory system and skin

R36: Irritating to eyes. R38: Irritating to skin

R2: Risk of explosion by shock, friction, fire or other sources of ignition

R43: May cause sensitisation by skin contact

S-phrases

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16. Other information

Processing instructions / technical data sheets

Please observe the label/directions for use!

Further information

This is a medical device classified under the requirements of EU and TGA . Complies with ISO 8891, ISO 9693

Contact

Dr. Peter Lobo

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.